

Indiana's Early Learning Development Framework Aligned to the 2014 Indiana Academic Standards

Indiana Department of Education

Family and Social Services Administration: Office of Early Childhood and Out of School Learning Early Learning Advisory Committee









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Early Learning Foundations Background

History

In the early 2000s, a White House initiative, Good Start, Grow Smart, called for each state to establish early learning frameworks around literacy and math. With the goal of guiding early childhood educators in understanding and implementing classroom practices that facilitate learning of essential skills and knowledge young children require to be prepared for Kindergarten, the Foundations to the Indiana Academic Standards (Foundations) were developed in 2002 with content for children three to five years of age. In 2004 and 2006, content for children from birth to age three was added. The Foundations were revised in 2012 to ensure alignment with the modified ISTAR-KR assessment tool, the Indiana Academic Standards (2007), and the Common Core State Standards. Each revision has provided direction and guidance to the field toward developmentally appropriate expectations that support young learners.

2015 Revision

The 2015 revision was based on research, feedback from practitioners, and work from professionals with expertise in each specialized area. The revision addresses:

- Alignment to the 2014 Indiana Academic Standards
- Recognition of the early learning continuum, birth to Kindergarten
- Utilization of the Foundations with the vertical articulations for the 2014 Indiana Academic Standards to view the early learning continuum from birth to third grade
- Identification of core foundations in each of the eight content areas
- Alignment to the ISTAR-KR assessment tool
- Addition of Approaches to Play and Learning Foundations
- Addition of Health Foundations
- Addition of WIDA Early English Language Development Standards
- Easy to use format

Acknowledgements

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Throughout the revision process, early learning guidelines of various states were referenced. The pioneering work of Connecticut, Georgia, Massachusetts, Maryland, and New Jersey was greatly appreciated.

Public Comment

An opportunity for public comment was provided and resulted in a review by 94 individuals.



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Early Learning Advisory Committee / Early Learning Advisory Committee - Child Development and Well-Being Workgroup / Indiana Association for the Education of Young Children - Higher Education Forum / Indiana Early Childhood Special Education Administrators / Indiana Professional Development Network

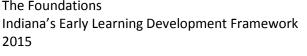
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The Foundations





2015

Introduction

The Foundations include the following content areas: English/language arts, mathematics, social emotional skills, approaches to play and learning, science, social studies, creative arts, and physical health and growth. By outlining specific topics and indicators in each of these content areas, the Foundations support teachers, parents, caregivers, and other professional personnel as they develop appropriate experiences for young children. The primary audience for this framework is early childhood educators, program directors, school administrators, and college and university faculty. This core document was developed for use in all types of early childhood programs. Guidance and support documents will be developed and released subsequently.

Kindergarten Readiness

Early learning experiences help a child become ready for Kindergarten. The Foundations show early educators the developmental progression that typically developing young children should experience as they grow toward Kindergarten readiness. In 2014, Indiana's Early Learning Advisory Committee approved the following definition of Kindergarten readiness:

"In Indiana, we work together so that every child can develop to his or her fullest potential socially, emotionally, physically, cognitively, and academically. Through growth in all of these domains, the child will become a healthy, capable, competent, and powerful learner."

Birth to Third Grade Continuum

Research recognizes early learning as a comprehensive system, birth to age eight (third grade). During this crucial period of development, the foundations for future success are laid out. Strengthening the alignment between the birth to age five system and the Kindergarten to third grade system ensures children develop solid fundamentals in literacy, math, social emotional skills, as well as strong engagement in learning (The Pre-K Coalition Policy Brief, 2011). This approach allows for developmentally appropriate teaching at all age levels and leads to positive student outcomes.

Embracing this continuum:

- Provides equitable access and opportunity for all children
- Minimizes achievement gaps
- Maximizes individual pathways
- Provides continuity for children and families
- Engages families in children's learning and development

"School districts on the leading edge of the Birth through Third Grade movement have demonstrated unprecedented success raising the achievement of low-income students by developing coherent strategies focused on the early years of learning and development. These communities are not merely improving preschool. Rather, they are building aligned, high-quality early education systems" (Jacobson, 2014).

Special Populations

This revision of the Foundations specifically addresses two special populations, Dual Language Learners and Exceptional Learners. In order to provide high-quality, equitable early learning experiences, it is important to provide a responsive environment along with linguistically and culturally relevant instruction that allows all children to progress within the classroom.



In order to meet the language needs of Dual Language Learners (DLL), Indiana has adopted the WIDA Early English Language Development Standards (E-ELD). These standards are specifically designed to help support the unique needs of DLLs, ages 2.5 - 5.5 years, who are in the process of learning more than one language prior to Kindergarten entry. By utilizing these standards alongside the Foundations, a quality program honors the children's home languages, embraces dual language development, promotes family and community engagement, and builds partnerships to support young, Dual Language Learners. Additional information addressing DLLs can be located on page 51. More resources can be found at www.doe.in.gov/elme and www.wida.us/EarlyYears.

Exceptional Learners are children who enter the classroom with a range of developmental, language, behavioral, and medical needs. Exceptional Learners should be included in classrooms with typically developing peers. In inclusion classroom environments, teachers can support the needs of all children through differentiated instruction. Exceptional Learners may attend developmental preschools offered by their local school corporation. Developmental preschools should use the Foundations to set expectations for learning. Specific information that addresses Exceptional Learners is on page 53. Additional information on Exceptional Learners can be found at http://www.doe.in.gov/specialed.

Purpose

Indiana's early learning development framework, the Foundations, is aligned to the 2014 Indiana Academic Standards. This framework provides core foundations and skills that children are to achieve at various ages. The Foundations create common language and expectations for the early childhood field. Effective implementation of the Foundations will lead to desired student outcomes.

The Foundations are not a curriculum, a lesson plan, or an assessment tool. Programs must select a curriculum based on their philosophy of how children learn. Curricula contain both content that children should learn and methods to teach the content. Lesson plans describe how the content is conveyed to children, and assessments evaluate children's acquisition of the content. In order to drive continuous improvement, the Foundations should be regularly utilized to evaluate a program's curricula for strengths and weaknesses.

From Kindergarten through twelfth grade, academic standards have been established to promote excellence and equity in education. Excellence in education is a predictor of future success. K-12 academic standards represent the essential content every student needs in order to have a basis for understanding a subject area. The Foundations include concepts for children's development and address skills and competencies that children are to achieve from birth to age five. Vertical articulations have been established for the 2014 Indiana Academic Standards. By utilizing these vertical articulations, one can see the continuum of development for children through the elementary years. Understanding the developmental progression gives early educators the ability to individualize instruction and experiences to advance each child's development and learning.

Families

Children develop in the context of their environments, which include family, culture, and community. The family plays the most critical role in a child's development. It is essential that early childhood professionals respect the role of the child's family in the educational journey. A wide body of research supports the benefits of family-school partnerships. Successful partnerships with families support and sustain common goals for children. Early childhood professionals have the opportunity to connect families to their children's learning. The Foundations should serve as a resource for early childhood professionals to inform families of appropriate developmental expectations.





English / Language Arts

Language and Literacy

Perhaps the most significant accomplishment a child makes during the first five years of life is acquiring language and using it to communicate. Infants first begin to communicate through crying, body movements, gestures, and facial expressions. As babies grow into toddlers and preschoolers, they attain a vocabulary of hundreds of words, and they learn how to use them to get what they need or want, to express their feelings, or to simply make conversation.

While children do have the predisposition to learn languages, this does not happen without external intervention and support. Adults play a vital and irreplaceable role in a young child's speech development and literacy knowledge. Frequent interactions with others, as well as providing opportunities to use (and witness the use of) written language in daily life, enable children to become competent readers, writers, speakers, and listeners.

Young children must have the opportunity to do more than simply "learn to read and write." They need adults who provide experiences that make literacy enjoyable. Children should develop skills, but should also have the disposition to become readers and writers. They must desire books. They must love words. Adults can help make this happen by making language pleasurable through reading aloud, singing songs, reciting playful poetry, and exposing language for what it is — an important and enjoyable part of our world.

Research has demonstrated that children that have foundational skills with print, books, the purposes of writing, listening, and speaking will be ready to benefit from reading instruction in school, learn to read sooner, and will be better readers than children with fewer of these skills (NELP, 2008; Whitehurst & Longman, 1998).



English/Language Arts Foundations

English/Language Arts Foundation 1: Communication Process

Early learners develop foundational skills to communicate effectively for a variety of purposes.

English/Language Arts Foundation 2: Early Reading

Early learners develop foundational skills in understanding alphabet awareness, phonological awareness, concepts of print, and comprehension.

English/Language Arts Foundation 3: Early Writing

Early learners develop foundational skills in mechanics of writing, ability to tell a story, and write for a variety of purposes.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

To assist with the navigation of this document, a model of the format is outlined below.

<u>Foundation</u>: The essential concepts and skills early learners should know or demonstrate in a particular developmental area.

TOPIC : A subcategory of essential concepts and skills early learners should know and/or demonstrate under a particular foundation.				
Age Range: Infant, Younger Toddler, Older Toddler, Younger Preschool, Older Preschool While age ranges have been identified for organizational purposes, it is essential to remember every child develops at his/her own pace and may obtain a goal outside of the recommended time frame.	Kindergarten Standard			
Indicators: Competencies, concepts, skills, and/or actions that show a child is progressing toward Kindergarten readiness. Utilizing current research and knowledge of early learning and development, work groups across Indiana generated the indicators. The indicators are not an exhaustive list, but rather a guide to demonstrate the progression of essential competencies. Children will exhibit various skills that indicate their acquisition of a particular competency.	Indiana Academic Standard for Kindergarten: Outlines what a child should know <u>at the end</u> of Kindergarten.			



English/Language Arts Foundation 1: Communication Process

Early learners develop foundational skills to communicate effectively for a variety of purposes.

ELA1.1: Demonstrate receptive communication						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Demonst	Demonstrate continual growth in understanding increasingly complex and varied vocabulary					
Respond to words or gestures Recognize familiar	Respond to simple statements, requests, and/or gestures	Respond to simple sentences, phrases, gestures and/or actions	Respond to complex ges communicate (such as a are cr	comforting others who	topic using various sources. Identify relevant pictures, charts, grade- appropriate texts, personal experiences, or	
objects, people, and voices Orient to sounds in the environment	gestures	Follow simple one-step directions	Listen to and follow multi-step directions with adult support	Listen to and follow multi-step directions	people as sources of information on a topic. K.RV.1: Use words, phrases, and strategies acquired through conversations, reading and being read to, and responding to literature and nonfiction texts to build and apply vocabulary.	

ELA1.2: Demonstrate expressive communication							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Demonstrate	e continual growth in	increasingly varied and co	mplex vocabulary	K.SL.2.4: Ask questions to seek help, get information, or clarify		
Use facial expressions to communicate	Use gestures to clarify communication	Use gestures and actions to communicate	, ,	ures and actions to unicate	something that is not understood. K.RV.1: Use words, phrases, and strategies acquired through conversations, reading and being read to, and responding to literature and nonfiction texts to build and apply vocabulary.		
Use simple vocalizations to communicate Express sounds and patterns of home language	Use single words or simple phrases	Use simple phrases or simple sentences Talk about past, present, and future events	Use expanded sentences Describe activities and experiences with detail	Use complex sentences Describe activities, experiences, and stories with expanded detail			
				Change word tense to indicate time			



English/Language Arts Foundation 1: Communication Process

Early learners develop foundational skills to communicate effectively for a variety of purposes.

ELA1.3: Demonstrate ability to engage in conversations						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Jointly attend to an object, event, or person	Demonstrate intent of communicating with others	Take turns in a conversation Respond to a request for clarification	Ask questions for und	sed by adults or peers lerstanding and clarity oic comments	K.SL.1: Listen actively and communicate effectively with a variety of audiences and for different purposes. K.SL.2.1: Participate in collaborative conversations about grade-appropriate topics and texts with peers and adults in small and larger groups. K.SL.3.2: Ask appropriate questions about what a speaker says. K.SL.2.5: Continue a conversation through multiple exchanges. K.SL.2.3: Listen to others, take turns speaking, and	
			Stay on topic in two- way conversation with others	Stay on topic in two- way conversation that involves multiple turns Communicate actively in group activities		
					add one's own ideas to small group discussions or tasks.	



English/Language Arts Foundation 2: Early Reading

Early learners develop foundational skills in understanding alphabet awareness, phonological awareness, concepts of print, and comprehension.

ELA2.1: Demonstrate awareness of the alphabet						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
	Distinguish words from pictures	Recognize and identify some frequently occurring letters in context	Recognize and identify some uppercase and a few lowercase letters	Recognize and identify most uppercase and some lowercase letters	K.RF.2.4: Identify and name all uppercase (capital) and lowercase letters of the alphabet.	
		Recognize symbols have meaning		Recognize own name in print		

ELA2.2: Demonstrate phonological awareness							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Orient to sounds in the environment	Begin to engage in word and sound play with adults			owledge of letter-sound ondence	K.RF.3.1: Identify and produce rhyming words.		
Discriminate sounds in the environment			Engage in rhyming games and songs; can complete a familiar rhyme		K.RF.3.2: Orally pronounce, blend, and segment words into syllables.		
			Identify rhyming words in spoken language	Make rhymes to simple words	K.RF.3.3: Orally blend the onset (the initial sound) and the rime (the vowel and ending sound)		
			Orally blend and segment familiar compound words, with modeling and support	Identify, blend, and segment syllables in spoken words with modeling and support	K.RF.4.5: Identify similarities and differences in words (e.g., word endings,		
	Distinguish betweer similar-sounding pho ma		Demonstrate awareness of sounds as separate units	Isolate the initial sound in some words	onset and rime) when spoken or written.		



English/Language Arts Foundation 2: Early Reading

Early learners develop foundational skills in understanding alphabet awareness, phonological awareness, concepts of print, and comprehension.

ELA2.3: Demons	ELA2.3: Demonstrate awareness and understanding of concepts of print					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Look at books Respond to songs	Bring a book to adult to read	Recognize familiar books by cover	Begin to understand that books are comprised of written	Know features of books such as title, author, and illustrator	K.RF.2.2: Recognize that written words are made up of sequences of letters.	
	Look at a book	Recite parts of	words		letters.	
Listen to repetition of familiar words, songs, signs, rhymes, and stories	Pretend to read familiar books Attend to pictures	well-known stories, rhymes, and songs	Respond to and interact with read alouds of literary and informational text	Understand that print carries meaning	K.RF.5: Read emergent reader texts, maintaining an appropriate pace and using self-correcting strategies while reading.	
	and text for several minutes	Hold books with two hands and turns pages	Hold books right side up and turn pages left to right	Track words in a book from left to right, top to bottom, and page to page with adult support	K.RF.2.1: Demonstrate understanding that print moves from left to right across the page and from top to bottom.	

ELA2.4: Demonstrate comprehension							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Demonstrate interest in hearing a familiar story or	Show preference for familiar stories	w preference familiar stories Show preference for familiar stories and report phrases of the story h adult port, respond imple stions about a story	'	eract with stories d nonfictional)	K.RL.1: Actively engage in group reading activities with purpose and understanding.		
Attend to caregiver's voice while being held and/or read to	With adult support, respond to simple		phrases of the story It Answer simple questions about a story	Answer questio	ons about a story	K.RL.2.1: With support, ask and answer questions about main topics, and key details in a text heard or read.	
	story		With adult support, retell familiar stories	Retell familiar stories	K.RL.2.2: With support retell familiar stories, poems, and nursery rhymes, including key details.		



English/Language Arts Foundation 3: Early Writing

Early learners develop foundational skills in mechanics of writing, ability to tell a story, and write for a variety of purposes.

ELA3.1: Demonstrate mechanics of writing						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
, ,			drawings, paintings, and writings are meaningful	Create letter like shapes, symbols, letters, and words	K.W.2.1: Write most uppercase and lowercase letters of the alphabet, correctly	
	Make scribbles or shapes to convey meaning	with modeling and support		shaping and spacing the letters of the words. K.W.2.2: Write by		
	lines and shapes shapes lines, sh			Copy more complex lines, shapes, and some letters	moving from left to right and top to bottom.	
			K.W.3.3: Use words and pictures to narrate a single event or simple story, arranging ideas in			
		Experiment with a variety of writing tools, materials,	Use writing tools with adult support	Use writing tools	order.	
	and surfaces			K.W.4: With support, apply the writing process to revise writing by adding simple details; review (edit) writing for		
					format and conventions.	

ELA3.2: Demons	ELA3.2: Demonstrate ability to communicate a story							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard			
See expressive communication skills	See expressive communication skills	Draw pictures and scribble to generate and express ideas	Create writing with the	intent of communicating	K.W.1: Write for specific purposes and audiences. K.W.3.3: Use words and pictures to narrate a single event or simple story, arranging ideas in order. K.W.4: With support, apply the writing process to revise writing by adding simple details;			
		Dictate a story 1	for an adult to write	Dictate a story that demonstrates simple details and narrative structure				
			Use pictures, letters, and symbols to communicate a story	Use letters, symbols, and words to share an idea with someone Use writing to label drawings	review (edit) writing for format and conventions.			



Mathematics

Mathematics helps children survey their environment and start to form a sense of order. This beginning sense of order is of primary importance in constructing a solid foundation for future success. Children's mathematical development is nourished by everyday play activities and exploration of the world around them.

Adults can support the development of mathematics by incorporating math into everyday activities. Mathematics is more than counting and recognizing numbers. It involves learning about heavy and light, big and small, and long and short. Math also involves learning about shapes (circle, square, rectangle), recognizing patterns (blue-yellow-blueyellow), and comparing quantities (which is more and which is less). Using math words around young children helps them begin to understand math concepts. Math must be connected to children's lives. Opportunities for "math talk" are readily available throughout a typical day. There is no need to drill children with flashcards or do worksheets to help them learn math. Learning math in contrived situations results in rote learning without understanding. This does not promote the "spirit of mathematics." Math should be integrated into routine activities that are connected to everyday life.

Providing daily opportunities for problem solving, reasoning, communication, connections, and representations make it possible for young children to learn the content of math. These processes develop over time with the help of adults who connect math to everyday activities. Connecting mathematics to other areas of learning such as music, art, and science also enhances both the mathematical concepts and the additional subject. When adults communicate and work with young children to enhance their knowledge of mathematics, the most important attribute they can bring with their solid foundation of skills is a positive disposition. A positive attitude toward mathematics and mathematical learning begins in early childhood.

Young children are curious, independent, energetic, and eager to learn new things. This makes them excellent candidates for acquiring math concepts that will form a working foundation for more formal math learning in Kindergarten and the primary grades. Nowhere is it more true to say children learn by experience and discovery than in acquiring math concepts.



Mathematics Foundations

Mathematics Foundation 1: Numeracy

Early learners develop foundational skills in learning and understanding counting, cardinality, written numerals, quantity, and comparison.

Mathematics Foundation 2: Computation and Algebraic Thinking

Early learners develop foundational skills in learning and understanding mathematic structure and patterning.

Mathematics Foundation 3: Data Analysis

Early learners develop foundational skills in learning to understand concepts of classification, data collection, organization, and description.

Mathematics Foundation 4: Geometry

Early learners develop foundational skills in learning and understanding spatial relationships and shape analysis.

Mathematics Foundation 5: Measurement

Early learners develop foundational skills in learning and understanding concepts of time and measurement comparisons.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

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Indicators: Competencies, concepts, skills, and/or actions that show a child is progressing toward Kindergarten readiness. Utilizing current research and knowledge of early learning and development, work groups across Indiana generated the indicators. The indicators are not an exhaustive list, but rather a guide to demonstrate the progression of essential competencies. Children will exhibit various skills that indicate their acquisition of a particular competency.	Indiana Academic Standard for Kindergarten: Outlines what a child should know <u>at the end</u> of Kindergarten.			



Mathematics Foundation 1: Numeracy

Early learners develop foundational skills in learning to understand counting, cardinality, written numerals, quantity, and comparison.

M1.1: Demonstrate strong sense of counting						
Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Imitate verbal counting sequence not necessarily in order	Count the number sequence 1-5	Count the number sequence 1-15 Count backward from 5 with adult support	Count the number sequence 1-20 Count backward from 10	K. NS.1: Count to at least 100 by ones and tens and count one by one from any number.		
Line up or organize objects	Begin to apply verbal counting sequence to objects in order to develop one-to- one correspondence	Recognize that the count remains the same regardless of the order or arrangement of the objects Apply one-to-one correspondence with objects and people Draw pictures, symbols, or use manipulatives to represent a spoken number 0-5 Identify, without counting, small quantities of items (1-3) presented in an irregular or unfamiliar	Recognize the last number name said tells the number of objects counted Draw pictures, symbols, or use manipulatives to represent spoken number 0-10 Identify, without counting, small quantities of items (1-4) presented in an	K.NS.4: Say the number names in standard order when counting objects, pairing each object with one and only one number name and each number name with one and only one object. Understand that the last number name said describes the number of objects counted and that the number of objects is the same regardless of their arrangement or the order in which they were counted. K.NS.6: Recognize sets of 1 to 10 objects in a pattern arrangement and tell how many without counting.		
	Younger Toddler Imitate verbal counting sequence not necessarily in order Line up or	Younger Toddler Imitate verbal counting sequence not necessarily in order Line up or organize objects Begin to apply verbal counting sequence to objects in order to develop one-to-one	Imitate verbal counting sequence not necessarily in order Line up or organize objects Apply one-to-one correspondence with objects and people Count the number sequence 1-15 Count backward from 5 with adult support Recognize that the count remains the same regardless of the order or arrangement of the objects Apply one-to-one correspondence with objects and people Draw pictures, symbols, or use manipulatives to represent a spoken number 0-5 Identify, without counting, small quantities of items (1-3) presented in an	Tounger Toddler Count the number sequence 1-5 Count the number sequence 1-15 Count the number sequence 1-15 Count backward from 5 with adult support		

M1.2: Demonstrate understanding of written numerals							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Identify numerals as different from letters or other symbols	Begin to recognize that number symbols indicate quantity Begin to recognize different number symbols indicate different quantities	Match number symbols with amounts 1-3	Match number symbols with amounts 1-10 Name written numerals from 0-10 Write numerals 1-10	K.NS.3: Find the number that is one more than or one less than any whole number up to 20. K.NS.2: Write whole numbers from 0 to 20 and recognize number words from 0 to 10. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).		



Mathematics Foundation 1: Numeracy

Early learners develop foundational skills in learning to understand counting, cardinality, written numerals, quantity, and comparison.

M1.3: Recognition	M1.3: Recognition of number relations					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Explore objects one at a time Indicate a desire for more	Identify which is more Begin to develop the concepts of more and less	Visually identify sets of quantities of large differences (using terms more and/or fewer)		Identify when 2 sets are equal using matching and counting strategies	K.NS.10: Separate sets of ten or fewer objects into equal groups. K.NS.7: Identify whether the number of objects in one group is greater	
	Cina all abiants	Begin to identify first and last	Readily identify first and last	Correctly use the words for position	than, less than, or equal to the number of objects in another group (e.g., by using matching and counting strategies).	
Give <i>more</i> when asked	Give all objects when asked Separate a whole quantity of something into parts	Give some when asked Give the rest when asked Communicate that something is split in half	Correctly use the words for comparing quantities		K.NS.9: Use correctly the words for comparison including: one and many; none, some and all; more and less; most and least; and equal to, more than and less than.	
		Understand the basic concept of none	Separate sets of 6 or fewer objects into equal groups Demonstrate the understanding of the concept of after	Compare the values of two numbers from 1 to 10 presented as written numerals Demonstrate the understanding of the concept of before	K.NS.8: Compare the values of two numbers from 1 to 20 presented as written numerals.	



Mathematics Foundation 2: Computation and Algebraic Thinking

Early learners develop foundational skills in learning to understand mathematic structure and patterning.

M2.1: Exhibit understanding of mathematic structure							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Take away objects or combine groups when asked Attend to a new object in a group of objects	Describe that something was taken away Identify that an object has been added to a group Begin to make reasonable estimates related to quantity	Begin to understand that numbers can be composed and decomposed to create new numbers	Use understanding that numbers can be composed and decomposed to create new numbers in solving problems with quantities under five	K.CA.3: Use objects, drawings, etc., to decompose numbers less than or equal to 10 into pairs in more than one way, and record each decomposition with a drawing or an equation (e.g., 5=2 +3 and 5=4 +1). [In Kindergarten, students should see equations and be encouraged to trace them, however, writing equations is not required.]		

M2.2: Demonstr	M2.2: Demonstrate awareness of patterning							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard			
Show interest in visual, auditory, and tactile patterns	Follow along and imitate patterns of sounds and movement Clap or move to a beat	Recognize natural patterns in the environment Verbally or nonverbally predict what comes next when shown a simple ABAB pattern of concrete objects	Physically extend simple ABAB patterns of concrete objects to other concrete objects	Begin to create and extend a new simple pattern	K.CA.5: Create, extend, and give an appropriate rule for simple repeating and growing patterns and shapes.			
Recognize daily routines		Show greater recognition of daily routines	Understand sequence of events when clearly explained					



Mathematics Foundation 3: Data Analysis

Early learners develop foundational skills in learning to understand concepts of classification, data collection, organization, and description.

M3.1: Demonstrate understanding of classifying							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Identify attributes of objects with adult support	Identify similarities and differences in objects	Sort, classify, and compare objects	Explain simple sorting or classifying strategies Sort a group of objects in multiple ways Create and describe simple graphs	K.DA.1: Identify, sort and classify objects by size, number, and other attributes. Identify objects that do not belong to a particular group and explain the reasoning used.		

Mathematics Foundation 4: Geometry

Early learners develop foundational skills in learning to understand spatial relationships and shape analysis.

M4.1: Understanding of spatial relationships							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Explore how things fit and move	Begin to combine shapes to make new shapes	Complete basic shape interlocking puzzle with most pieces accurately		or pattern block puzzles sic shapes	K.G.1: Describe the positions of objects and geometric shapes in space using the terms,		
Put object in, out, on, and off of other things	Hide behind or between objects for play	in place with some assistance	Use position terms such as in, on, and under	Use position terms such as above, below, beside, and between	inside, outside, between, above, below, near, far, under, over, up, down, behind, in front of, next to, to the left of and to the right of.		

M4.2: Exhibit ab	M4.2: Exhibit ability to identify, describe, analyze, compare, and create shapes						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Match identical simple shapes	Match similar shapes that are different sizes, and different orientation with a variety of two-dimensional shapes	Match similar shapes when given a variety of three dimensional shapes Start to identify the attributes of shapes Use names of two-dimensional shapes (e.g., square; triangle; circle) when identifying objects Use informal language to describe three-dimensional shapes (e.g., "box" for cube; "ball" for sphere; "can" for cylinder)	Use the attributes of shapes to distinguish between shapes Differentiate two- and three-dimensional shapes (e.g., squares from cubes)	K.G.2: Compare two- and three-dimensional shapes in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number sides and vertices/"corners") and other attributes (e.g., having sides of equal length). K.G.4: Compose simple geometric shapes to form larger shapes (e.g. create a rectangle composed of two triangles).		



Mathematics Foundation 5: Measurement

Early learners develop foundational skills in learning to understand concepts of time and measurement comparisons.

M5.1: Understand concept of time							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Cooperate with a routine	Follow a daily schedule	Follow steps in a simple routine	Understand time limit cue Understand transition from one activity to the next Tell what activity comes before and after	Know daily concepts of earlier and later, morning and afternoon	K.M.2: Understand concepts of time, including: morning, afternoon, evening, today, yesterday, tomorrow, day, week, month, and year. Understand that clocks and calendars are tools that measure time.		

M5.2: Understand measurement through description and comparison						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Explore objects with different shapes and sizes Begin to understand that different size containers hold more or less	Use any basic measurement word or gesture to express measureable attributes, such as big/little, hot/cold	Sort objects into two categories based on attributes Explore measurement using non-standard tools	Directly compare and describe two objects with a measurable attribute Measure length and volume (capacity) using non-standard measurement tools	Directly compare and describe two or more objects with a measurable attribute Measure length and volume (capacity) using a standard measurement tool	K.M.1: Make direct comparisons of the length, capacity, weight, and temperature of objects, and recognize which object is shorter, longer, taller, lighter, heavier, warmer, cooler, or holds more.	



Social Emotional Skills

The importance of healthy social emotional development in the first five years cannot be overstated as this area emphasizes many skills that are essential for success in school and life.

Emotional well-being and early childhood mental health have two inter-related components: the attainment of emotional and behavioral regulation and the capacity for positive relationships. As these capacities develop, according to age appropriate expectations, children are also able to learn and function in other domains and content areas.

As may occur in any area of development, growth does not always go smoothly. Temperament, developmental issues, typical stressors, mental health concerns, and the environment in which a child lives impact his or her social emotional growth. Some children live in extremely adverse environments where experiences of toxic stress, abuse, and deprivation may have a detrimental impact on their social emotional development. It then becomes the role of the early childhood learning community to provide support and specialized help for these children.

A young child's social competence is a vital part of development. Social competence is related to learning about others and their cultures and having the inclination to seek out or enjoy the company of others. The quality of a young child's social competence can be a predictor of later social and academic competence (Pellegrini & Glickman, 1990).

Success in the core social emotional skills of self-regulation and pro-social behaviors, along with nurturing and satisfying relationships, leads children to a positive sense of self. This is vital for future success in school and in life.



Social Emotional Foundations

Social Emotional Foundation 1: Sense of Self

Early learners develop foundational skills that support self-awareness, confidence, and the identification and expression of emotions.

Social Emotional Foundation 2: Self-Regulation

Early learners develop foundational skills that support executive functions including impulse control, planning skills, and emotional regulation.

Social Emotional Foundation 3: Conflict Resolution

Early learners develop foundational skills that support conflict resolution.

Social Emotional Foundation 4: Building Relationships

Early learners develop foundational skills that support social development and engagement with others.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

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Social Emotional Foundation 1: Sense of Self

Early learners develop foundational skills that support self-awareness, confidence, and the identification and expression of emotions.

SE1.1: Demonstr	SE1.1: Demonstrate self awareness and confidence							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard			
Respond to own name	Identify image of self Say own name	Use gestures and actions to reference self in conversation	Recognize self as a unique individual	Identify self as a unique member of a group that fits into a larger world picture				
		Demonstrate use of personal pronouns	Describe personal characteristics					
Show interest in environmental choices	Show knowledge of own abilities	Show sense of self satisfaction with own abilities and preferences	Show sense of self satisfaction with own abilities, preferences, and accomplishments	Show confidence in a range of abilities and the capacity to take on and accomplish new tasks				
Communicate to indicate physical and emotional needs		Begin to show independence by occasionally resisting adult control		Show independence in own choices				

SE1.2: Demonstr	SE1.2: Demonstrate identification and expression of emotions						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Communicate to express pleasure or displeasure	Communicate feelings and emotions	Express both positive and negative feelings about participating in activities	Recognize own emotions and the emotions of others	Identify own emotions and the emotions of others			
Use cues to signal overstimulation	Express emotion toward a familiar person	Observe a peer's emotion and approach a familiar adult to communicate concern	Look to adults for emotional support and guidance	Express and accurately respond to emotions of self and others Predict reactions from others			
Respond positively to adults who provide comfort	Imitate comforting behaviors of caregivers	Demonstrate empathy to another child					
Use sounds and body to express feelings	Use sounds, gestures, and actions to express feelings	Begin to use words to express feelings	Use a combination of words, phrases, and actions to express feelings	Effectively use sentences and actions to express feelings			



Social Emotional Foundation 2: Self-Regulation

Early learners develop foundational skills that support executive functions including impulse control, planning skills, and emotional regulation.

SE2.1: Demonstr	SE2.1: Demonstrate self control						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Develop an awareness of transitions, schedules, and routines with adult prompts		utines with adult port	Manage transitions and adapt to changes in schedules, routines, and situations with adult support	Manage transitions and adapt to changes in schedules, routines, and situations independently			
Develop self- soothing when an adult provides comfort techniques	Self-soothe with minimal adult support	Self-soothe independently	1	ns and behaviors with upport when needed			
Express desires and feelings by using gestures and actions	Demonstrate the beginnings of impulse control with adult support	Regulate some impulses with adult support	Regulate a range of impulses with adult support	Regulate a range of impulses			

Social Emotional Foundation 3: Conflict Resolution

Early learners develop foundational skills that support conflict resolution.

SE3.1: Demonstrate conflict resolution							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Show awareness of possible conflict by demonstrating distress	Engage in conflict with peers regarding possession of items Imitate how others solve conflicts Experiment with trial and error approaches to solve simple problems and conflicts	Engage in simple conflict resolution strategies with adult support Begin to use language skills instead of physical force to resolve conflicts	Negotiate to resolve social conflicts with peers with modeling and support Use words during a conflict instead of physical force	Independently initiate conflict resolution strategies with peers and seek adult support when necessary			



Social Emotional Foundation 4: Building Relationships

Early learners develop foundational skills that support social development and engagement with others.

SE4.1: Demonstr	SE4.1: Demonstrate relationship skills						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Engage in simple social interactions with adults	Engage in social interactions with familiar adults	Stay connected with familiar adults	Request and accept guidance from familiar adults	Show affection to familiar adults and peers using more complex words and			
Exhibit caution of unfamiliar adults	Show feelings of security with familiar adults	Separate from familiar adults in a familiar setting with minimal distress		actions			
Use key adults as a secure base when exploring the environment	Seek adult assistance with challenges, but may refuse help and may say no	Ask for adult assistance when having difficulty in a social situation	Accept compromises when suggested by a peer or adult				
	Use social referencing when encountering new experiences		Gauge response based on the facial expressions of others				
Notice other children in their environment	Observe friendship skills in the environments	Imitate and model friendship skills	Exhibit age appropriate friendship skills to engage in effective play and learning experiences	Maintain consistent friendships			
Engage in onlooker play	Engage in solitary play	Engage in parallel play	Engage in associative play	Engage in cooperative play experiences for sustained periods of			
Begin to exhibit skills in solitary play	Begin to exhibit skills in parallel play	Begin to exhibit skills in associative play	Participate in cooperative play experiences with some adult guidance	time			



Approaches to Play and Learning

"Play is the work of the child." Maria Montessori

Approaches to play and learning address the development of executive functions, such as initiative, persistence, and flexible thinking. These attitudes toward learning show how children learn, not just what they learn (New Jersey, 2014). Research indicates children with higher levels of attentiveness, persistence to a task, eagerness to learn, and flexible thinking skills are more successful in literacy and math (Conn-Powers, 2006; McCelland, Acock, & Morrison, 2006).

The healthy development of executive functions is directly related to a child's social emotional development. The development of executive functions, including impulse control, planning, and the ability to focus, is predictive of future academic and life success. Executive function skills are closely impacted by a secure attachment with one's family and caregivers. Positive relationships with caring adults and peers provide children with a safe base from which to learn and grow.

With a strong cultural focus on academic achievement, it is essential that early childhood environments respect that young children learn through play. Play is not the opposite of academic development, but rather an appropriate way for a child to arrive at desired learning outcomes. For children, play is at the heart of early understandings about the world around them (Neil, Drew, & Bush, 2014). When children are given time and support to deeply engage in learning experiences, they more easily master new skills, making rewards and other incentives to learn and behave unnecessary (New Jersey, 2014).

Adults foster the development of executive function skills through providing opportunities for engaging play experiences. Carefully planned environments with purposefully selected materials help children become motivated, self-directed learners. In-depth play experiences develop and strengthen the child's ability to make choices ultimately leading to independent decision making in other areas of life.



Approaches to Play and Learning Foundations

Approaches to Play and Learning Foundation 1:

Initiative and Exploration

Early learners develop foundational skills that support initiative, self-direction, interest, and curiosity as a learner.

Approaches to Play and Learning Foundation 2: Flexible Thinking

Early learners develop foundational skills that support flexible thinking and social interactions during play.

Approaches to Play and Learning Foundation 3:

Attentiveness and Persistence

Early learners develop foundational skills that support focus and attention to a specific activity and persistence to complete a task.

Approaches to Play and Learning Foundation 4: Social Interactions

Early learners develop foundational skills that support the engagement in imaginative and cooperative play with others.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

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Approaches to Play and Learning Foundation 1: Initiative and Exploration

Early learners develop foundational skills that support initiative, self-direction, interest, and curiosity as a learner.

APL1.1: Demonstrate initiative and self-direction						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Respond to a stimulating environment	Show interest in what others are doing	At times, initiate a new task Verbally express a	Initiate new tasks by self	Take initiative to learn new concepts and try new experiences		
Show curiosity/interest in surroundings		desire to complete task by self				
Show eagerness and delight in self, others, and surroundings	Select desired object from several options	Independently select and use materials	With support, use a variety of resources to explore materials and ideas	Seek and gather new information to plan for projects and activities		
	Begin to show curiosity/interest in new objects, experiences, and people		Explore and manipulate familiar objects in new and imaginative ways			

APL1.2: Demons	APL1.2: Demonstrate interest and curiosity as a learner						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Show budding interest in how objects work	Ask questions about familiar objects, people,	Ask questions about novel objects, people,		ess to learn about and es, ideas, and tasks			
	and experiences	and experiences		to learn new concepts or eas			
Try a variety of approaches to get desired outcomes	Begin to show curiosity and interest in new objects, experiences, and people	Demonstrate enthusiasm for new learning (may be within familiar contexts)	Exhibit willingness to	o try new experiences			
Physically explore new ways to use objects and observe results	Explore and manipulate familiar objects in the environment	Use active exploration to solve a problem	observing, imitating, asl	ng approaches, such as king questions, hands-on active exploration			



Approaches to Play and Learning Foundation 2: Flexible Thinking

Early learners develop foundational skills that support flexible thinking and social interactions during play.

APL2.1: Demon	APL2.1: Demonstrate development of flexible thinking skills during play						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Manipulate objects Imitate actions	Use objects for real or imagined purposes	Substitute one object for another in pretend play or pretend with	Find a creative or inventive way of doing a familiar task or solving a problem with				
illitate actions		objects that may or may not be present	adult guidance				
		Show creativity, inventiveness, and flexibility in approach to play with adult guidance	Begin to demonstrate flexibility in approach to play and learning	Demonstrate inventiveness, imagination, and creativity to solve a problem			
			Adjust approach to task to resolve difficulties with adult support	Develop recovery skills from setbacks and differences in opinion in a group setting			

Approaches to Play and Learning Foundation 3: Attentiveness and Persistence

Early learners develop foundational skills that support focus and attention to a specific activity and persistence to complete a task.

APL3.1: Demonstrate development of sustained attention and persistence						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Examine objects for brief periods of time	Jointly attend to books for several minutes	Attend to a book for longer periods of time (jointly or	Independently attend to a book from beginning to end			
Express discomfort when needs are not met	Engage and persist with an activity, toy, or object, but is easily distracted	independently) Focus on an activity for short periods of time despite distractions	Demonstrate ability to delay gratification for short periods of time	Focus on an activity with deliberate concentration despite distractions and/or temptations		
Repeat actions to make something happen again	Engage for longer periods of time when trying to work through tasks	Repeat an activity many times in order to master it, even if setbacks occur	See an activity through to completion	Carry out tasks, activity, project, or transition, even when frustrated or challenged, with minimal distress Persist in trying to complete a task after previous attempts have failed		



Approaches to Play and Learning Foundation 4: Social Interactions

Early learners develop foundational skills that support the engagement in imaginative and cooperative play with others.

APL4.1: Demons	APL4.1: Demonstrate development of social interactions during play						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Engage in onlooker play	Engage in solitary play	Engage in parallel play	Engage in associative play	Interact with peers in complex pretend play, including planning,			
Begin to exhibit skills in solitary play	Begin to exhibit skills in parallel play	Begin to exhibit skills in associative play	Participate in cooperative play activities with some adult guidance	coordination of roles, and cooperation			
Show interest in children who are playing nearby	Show preference for certain peers over time although these preferences may shift	Participate in play activities with a small group of children for short periods of time	Participate in play activities with a small group of children	Demonstrate cooperative behavior in interactions with others Begin to accept and share leadership			



Science

"The exploration of the natural world is the stuff of childhood. Science, when viewed as a process of constructing understanding and developing ideas, is a natural focus of an early childhood program. As children are given opportunities to engage in inquiry of phenomena, they develop many cognitive skills. It is also the context in which children can develop and practice many basic skills of literacy and mathematics. Finally, science is a collaborative endeavor in which working together and discussing ideas are central to the practice." Worth, 2010

Infants and young children are natural scientists. Guidance and structure expands their curiosity and activities into something more scientific —to practice science. The goal of science curricula should be to help children understand the natural world through a process known as scientific inquiry. As children investigate, they acquire knowledge that explains the world around them, for instance, why snow or ice melts. Scientific knowledge helps us predict what might happen, helps us solve problems, and creates expanded technologies to serve our needs.

Worth and Grollman (2003) introduced a simple inquiry learning cycle to guide early childhood educators as they facilitate children's investigations. This cycle begins with providing extended periods of time for children to engage and explore selected phenomena and materials. Through discovery and wonder, children share ideas and raise questions. This process leads children to describe characteristics, identify patterns, and record observations using words, pictures, charts, and graphs. The cycle then extends to a more facilitated state as questions are identified that might be investigated further.

Beginning at birth, children use all of their senses in their efforts to understand and organize their environment and experiences. Through firsthand, spontaneous interactions with materials, processes, and other people, babies gradually begin to formulate an understanding of what the world is and how it works. This understanding will change over and over as the young child uses evidence gained from experiences much like the scientist supports or disproves a theory.



Science Foundations

Science Foundation 1: Physical Science

Early learners develop foundational skills in learning and understanding the properties of objects and changes in the physical world.

Science Foundation 2: Earth and Space Science

Early learners develop foundational skills in learning and understanding the natural world through exploration of Earth, sky, weather, and seasons.

Science Foundation 3: Life Science

Early learners develop foundational skills in learning and understanding the presence and characteristics of living creatures and plants.

Science Foundation 4: Engineering

Early learners develop foundational skills in learning and understanding how to solve problems using the engineering design process.

Science Foundation 5: Scientific Inquiry and Methods

Early learners develop foundational skills in learning and understanding about the world around them through exploration and investigation.

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Science Foundation 1: Physical Science

Early learners develop foundational skills in learning and understanding the properties of objects and changes in the physical world.

SC1.1: Demonstrate ability to explore objects in the physical world						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Observe and experience the environment using all five senses React to changes in light Focus attention on sounds, movement, and objects	Notice and react to cause and effect within the physical environment Use tools to explore the physical environment	Use simple words to describe sensory experiences, objects, and how objects move Identify and solve problems in the environment through active exploration	Use senses to learn about concepts of weight, motion, and force Ask questions about physical properties and changes in the physical world	Use senses to describe concepts of weight, motion, and force Ask questions and draw conclusions about physical properties and the physical world	K.1.1: Use all senses as appropriate to observe, sort and describe objects according to their composition and physical properties, such as size, color and shape. Explain these choices to others and generate questions about the objects.	

SC1.2: Demonstrate awareness of the physical properties of objects						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
	Begin to identify physical attributes of objects	Describe physical properties using simple words	Identify materials t	hat make up objects	K.1.2: Identify and explain possible uses for an object based on its properties and compare these uses with other students' ideas.	
Notice cause and effect within the physical environment	Imitate the actions of others as they explore objects		Investigate and describe observable properties of objects	Use evidence from investigations to describe observable properties of objects		
Perform actions with objects and observe results	Copy patterns and rhythms with objects		Match objects by physical attributes	Sort objects into categories based on physical attributes and explain reasoning		



Science Foundation 2: Earth and Space Science

Early learners develop foundational skills in learning and understanding the natural world through exploration of Earth, sky, weather, and seasons.

SC2.1: Recognize the characteristics of Earth and sky						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Establish activity patterns based on day and night Explore and react to different indoor and outdoor surfaces	Notice and gesture to different objects in the sky Explore the natural environment	Notice own shadow Name objects in the sky Use tools to explore various earth materials	Notice the shadows of others and objects Describe different objects in the sky Describe various earth materials	Describe how shadows change through the day Describe typical day and night activities Classify various earth materials Describe how the Earth's surface is made up of different materials	K.2.1: Observe and record during sunny days when the sun shines on different parts of the school building. K.2.2: Describe and compare objects seen in the night and day sky.	

SC2.2: Recognize seasonal and weather related changes						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Observe and experience the	Observe and investigate	Communicate awareness that	Communicate awarene	ess of seasonal changes	K.2.3: Describe in words and pictures the changes in weather from month to month and season to season.	
difference in climate/weather	environment, nature, and climate/weather Name different kinds of weather	,				
		Describe weather conditions using correct terminology	Describe how weather changes			

Science Foundation 3: Life Science

Early learners develop foundational skills in learning and understanding the presence and characteristics of living creatures and plants.

SC3.1: Demonstrate awareness of life						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Demonstrate interest in and interact with plants, animals,	Identify living organisms by name	Name characteristics of living organisms	Identify the correct names for adult and baby animals	Differentiate animals from plants	K.3.1: Observe and draw physical features of common plants and animals.	
and people			Compare attributes of living organisms	Discriminate between living organisms and non-living objects	K.3.2: Describe and compare living animals in terms of	
				Ask questions and conduct investigations to understand life science	shape, texture of body covering, size, weight, color and the way they move.	
					K.3.3: Describe and	
Discover body parts	Name basic body parts	Name more complex body parts	Identify and describe th	e function of body parts	compare living plants in terms of growth, parts, shape, size, color and texture.	

Science Foundation 4: Engineering

Early learners develop foundational skills in learning and understanding how to solve problems using the engineering design process.

SC4.1: Demonstrate engineering design skills						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Demonstrate an interest in human made objects	Test limits of the environment	Use tools to serve a purpose or solve a problem	Identify a problem or need and create a plan to solve	Select materials and implement a designated plan		
		Notice whether the solution was successful		Evaluate and communicate solution outcomes		
Explore and manipulate human made objects	Begin to construct and deconstruct using readily available materials	Use complex motions to play with simple machines	Use classroom objects that function as simple machines to enhance play	Use classroom objects to create simple machines to enhance play		



Science Foundation 5: Scientific Inquiry and Method

Early learners develop foundational skills in learning and understanding about the world around them through exploration and investigation.

SC5.1: Demonstrate scientific curiosity						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Observe and show interest in objects, organisms, and events in the environment	Demonstrate curiosity	Demonstrate curiosity and ask for more information	Observe with a focus on details	Discuss ways that people can affect the environment in positive and negative ways		
Actively explore the environment		Use tools to explore the environment	Use simple tools to extend investigations	Independently use simple tools to conduct an investigation to		
				increase understanding		
Repeat actions that causes an interesting effect	Solve problems using trial and error		Identify self and/or own actions as scientific	Engage in a scientific experiment with peers		
meresting errect	CHOI			Communicate results of an investigation		

Social Studies

The study of people, relationships, and cultures is called social studies. The primary purpose of social studies is to help people develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. It includes learning about the environment, how people lived in the past, live today, work, get along with others, and becoming a good citizen.

Early childhood social studies curricula assist young children in acquiring the foundations of knowledge, attitudes, and skills in social studies. The subject matter for social studies includes history, geography, and civics. These subject matters help children understand their heritage and to increase their participation in our democratic society (Maxim, 2006).

Social studies for infants and toddlers helps young children learn through their senses and experiences about physical location (body awareness), physical time, social emotional competence, and personal responsibility. For young children, social studies is a combination of curriculum and instruction that takes into account self-development, appropriate practices, citizenship, democratic principles, and key understandings of the social sciences: history, geography, government, and economics. These concepts are built around the child's personal experiences and understanding of the relationship between self and others.

Young children are beginning to understand how people relate to the Earth, how people change the environment, how weather changes the character of a place, and how one place relates to another through the movement of people, things, and ideas. Through discussion and experiences with stories and older people, young children begin to gain an understanding of the past. Young children must become aware of personal time (usually between 4 and 7 years of age) before understanding historical time. Time understandings should be a major consideration in how historical topics are introduced to young children.



Social Studies Foundations

Social Studies Foundation 1: Self

Early learners develop foundational skills in learning and understanding the concept of self within the context of their family and community.

Social Studies Foundation 2: History and Events

Early learners develop foundational skills in learning and understanding the passage of time and the foundations and functions of government.

Social Studies Foundation 3: Geography

Early learners develop foundational skills in learning and understanding the world in spatial terms and the relationship between society and the environment.

Social Studies Foundation 4: Economics

Early learners develop foundational skills in learning and understanding the functions of an economy.

Social Studies Foundation 5: Citizenship

Early learners develop foundational skills in understanding the expected behavior as a citizen in a democratic society.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

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Indicators: Competencies, concepts, skills, and/or actions that show a child is progressing toward Kindergarten readiness. Utilizing current research and knowledge of early learning and development, work groups across Indiana generated the indicators. The indicators are not an exhaustive list, but rather a guide to demonstrate the progression of essential competencies. Children will exhibit various skills that indicate their acquisition of a particular competency.	Indiana Academic Standard for Kindergarten: Outlines what a child should know <u>at the end</u> of Kindergarten.



Social Studies Foundation 1: Self

Early learners develop foundational skills in learning and understanding the concept of self within the context of their family and community.

SS1.1: Demonstr	SS1.1: Demonstrate development of self					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Respond to celebrations and other cultural events if observed	Participate in celebrations and other cultural events if observed	Participate in and imitate celebrations and other cultural events for family, peers, and	Participate in and describe own family, community, and cultural celebrations if observed	Participate in and describe local, state, and national events and celebrations if observed	K.1.2: Identify people, celebrations, commemorations, and holidays as a way of honoring people, heritage, and events.	
		community if observed		Identify/honor key people in history		
Engage in onlooker play	Begin to demonstrate a sense of belonging to a group by engaging in parallel play	Begin to demonstrate a sense of belonging to a group by engaging in associative play	Begin to assimilate family, community, and cultural events in cooperative play	Assimilate family, community, and cultural cooperative play	K.2.4: Give examples of how to be a responsible family member and member of a group.	
Begin to separate self from others Show affection and bonds with familiar adults	Begin to notice differences in others Use simple words to show recognition of family members and familiar adults	Begin to gesture and ask simple questions regarding differences and/or similarities between self and others	Use simple phrases to demonstrate an awareness of differences and/or similarities between self and others	Build awareness, respect, and acceptance for differences in people and acknowledge connections	K.3.6: Identify and compare similarities and differences in families, classmates, neighbors and neighborhood, and ethnic and cultural groups.	

Social Studies Foundation 2: History and Events

Early learners develop foundational skills in learning and understanding the passage of time and the foundations and functions of government.

SS2.1: Demonstrate awareness of chronological thinking						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
	Adapt to changes in routine and/or schedule Anticipate events	Begin to recognize the sequence of events as part of a daily routine	Recognize the sequence of events as part of a daily routine and as it relates to the passage of time	Demonstrate an understanding of time in the context of daily experiences and understand that the passage of time can be measured Begin to understand how time is measured	K.1.4: Explain that calendars are used to represent the days of the week and months of the year.	



Social Studies Foundation 2: History and Events

Early learners develop foundational skills in learning and understanding the passage of time and the foundations and functions of government.

SS2.2: Demonstrate awareness of historical knowledge						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
	Respond to stories about time and age	Begin to recall information from recent experiences	Begin to communicate concepts of time	Demonstrate the awareness of change over time	K.1.1: Compare children and families of today with those from the past.	

SS2.3: Demonstrate awareness of the foundations of government						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
			Identify leaders and helpers in the home or classroom environment	Identify leaders and community helpers at home, school, and in environments	K.2.1: Give examples of people who are community helpers and leaders and describe how they help us.	
		Begin to recognize familiar aspects of community or cultural symbols	Recognize familiar aspects of community or cultural symbols	Identify symbolic objects and pictures of local, state, and/or national symbols	K.2.2: Identify and explain that the President of the United States is the leader of our country and that the American flag is a symbol of the United States.	

SS2.4: Demonstrate awareness of the functions of government						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Demonstrate comfort in familiar routines, objects, and materials Respond to adult guidance about behavior	Begin to understand and follow basic guidance	Begin to demonstrate an understanding of rules	Begin to demonstrate an understanding of rules in the home, school environment, and the purposes they serve	Demonstrate an understanding of rules in the home, school environment, and the purposes they serve	K.2.3: Give examples of classroom and school rules and explain the importance of following these rules to ensure order and safety.	

Social Studies Foundation 3: **Geography**

Early learners develop foundational skills in learning and understanding the world in spatial terms and the relationship between society and the environment.

SS3.1: Demonstr	SS3.1: Demonstrate awareness of the world in spatial terms						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Begin to discover use of body and objects in the environment	Begin to respond to simple location terms	Begin to use simple location terms	Identify location, directionality, and spatial relationships	Develop concepts and describe location, directionality, and spatial relationships	K.3.1: Use words related to location, direction and distance, including here/there over/under, left/right, above/below, forward/backward and between.		
	Use a variety of materials to represent familiar objects	Experiment with materials to represent objects in play	Begin to create simple representations of a familiar physical environment	Engage in play where one item represents another	K.3.2: Identify maps and globes as ways of representing Earth and understand the basic difference between a map and globe.		

SS3.2: Demonstr	SS3.2: Demonstrate awareness of places and regions						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Explore the immediate environment	Recognize parts of surroundings	Describe the characteristics of home and surroundings	Identify and describe prominent features of the classroom, school, neighborhood, and community	Use words to describe natural and man- made features of locations	K.3.3: Locate and describe places in the school and community.		
	Look toward location where familiar objects are stored with the expectation of finding them	Know the location of objects and places in familiar environments	Begin to learn knowledge of personal and geographic information	Become familiar with information about where they live and understand what an address is	K.3.4: Identify and describe the address and location of school; understand the importance of an address.		

SS3.3: Demonstrate awareness of environment and society						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
	Show interest in various aspects of the environment	Explore characteristics and ask questions about aspects of the environment	Begin to understand the relationship between humans and the environment	Begin to describe the reciprocal relationship between humans and the environment	K.3.7: Recommend ways that people can improve their environment at home, in school, and in the neighborhood.	



Social Studies Foundation 4: Economics

Early learners develop foundational skills in learning and understanding the functions of an economy.

SS4.1: Demonstrate awareness of economics							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Demonstrate preference for specific objects and people	Communicate Use props related Begin to understal concepts of buy and/or persons that are in the during play Develop an awa		concepts of buying ar Develop an awarenes	e purpose of money and nd selling through play s that people work for ovide for basic needs	K.4.1: Explain that people work to earn money to buy the things they want and need.		
	Imitate familiar roles and routines	Recognize various familiar workers in the community Begin to role play different jobs	Develop an awareness of the roles of various familiar community helpers/workers	Describe community helpers/workers in terms of tools/equipment they use and services/products they provide	K.4.2: Identify and describe different kinds of jobs that people do and the tools or equipment used in these jobs. K.4.4: Give examples of		
			Act out adult social roles and occupations		work activities that people do at home and at jobs.		

Social Studies Foundation 5: Citizenship

Early learners develop foundational skills in understanding the expected behavior as a citizen in a democratic society.

SS5.1: Demonstr	SS5.1: Demonstrate awareness of citizenship						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
	Observe others carrying out routines and responsibilities and begin to imitate	Participate in simple routines with adult support	Assist adults with daily routines and responsibilities Choose simple daily tasks from a list of classroom jobs Begin to initiate helping tasks	Demonstrate willingness to work together to accomplish tasks Identify simple tasks within the home, early childhood setting, or community Provide leadership in completing daily tasks			
Interact with the environment to make needs known	Make choices known	Identify preferences	Demonstrate an understanding of how voting works	Demonstrate an understanding of the outcome of a vote			

Creative Arts

"Studies have shown that arts teaching and learning can increase student's cognitive and social development. The arts can be a critical link for students in developing the crucial thinking skills and motivations to achieve at higher levels." Deasy & Stevenson, 2002

The purpose of including creative arts in early childhood education is to provide a range of activities for children to creatively express themselves. These activities can include, but are not limited to, music, art, creative movement, and drama. Creative arts engage children's minds, bodies, and senses. The arts invite children to listen, observe, discuss, move, solve problems, and imagine using multiple modes of thought and self-expression. Fine arts curricula provide ways for young children to represent their acquisition and use of skills in other content areas, such as literacy, math, social studies, science, social skills, and creative thinking.

Music is natural, spontaneous, and fun for young children. Music moves children emotionally and physically, just as it does with adults. Music helps set a mood. When an adult coos, sings, and plays rhythm games with the child, the adult becomes more sensitive to the child and affection is strengthened. Whether trying to capture the attention of the child or soothing the child's upset state, music can be rewarding for the child and the adult. Because music involves seeing, hearing, moving, and feeling, it helps the child prepare for more challenging tasks like learning language.

Art should be integrated into all preschool curricula. Art materials that are appropriate to the developmental level of the child promote curiosity, verbal and nonverbal expression, reading, math, physical development, social emotional skills, and self-help skills.

It is recommended that adults provide art experiences that are open-ended, process-oriented, and allow children to be creative and individualized in their artwork. The adult needs a wholesome, accepting attitude toward the use of creative and artistic materials rather than thinking of art materials as a waste of time or messy. Adults sometimes wonder if coloring books, patterns, and pre-cut models are appropriate art experiences for young children. These materials are not recommended as a means for providing art experiences. They are often frustrating to toddler and preschool aged children who do not have the manual dexterity or eye-hand coordination to stay within the lines, to cut along the lines, or to reproduce a picture made by an adult. Children like to draw or make things as they see them. Adults should rely on experiences that allow children to be creative and individualized in their artwork.



Creative Arts Foundations

Creative Arts Foundation 1: Music

Early learners develop foundational skills that support creative expression through voice, instruments, and objects.

Creative Arts Foundation 2: Dance

Early learners develop foundational skills that support creative expression through movement.

Creative Arts Foundation 3: Visual Arts

Early learners develop foundational skills that support creative expression through the process, production, and appreciation of visual art forms.

Creative Arts Foundation 4: Dramatic Play

Early learners develop foundational skills that support creative expression through dramatic play.

Guide to Using the Foundations

Each foundation has been broken down into topics. Each topic has particular concepts or skills that serve as indicators of a child's developmental progress through the age ranges. While the indicators articulate expectations for early learning, they are not exhaustive and do not prescribe a singular pathway of helping children arrive at developmental milestones.

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Creative Arts Foundation 1: Music

Early learners develop foundational skills that support creative expression through voice, instruments, and objects.

CA1.1: Demonst	trate creative musi	c expression			
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard
Respon	d to music by moving o	own body	Listen and respond to music	Respond to changes heard in music	K.6.1: Identify differences in musical sounds that are high or
Experiment with vocalizations and sounds	Imitate sounds using voice or objects	Experiment with vocalizations, sounds, and musical instruments	Participate in classroom experiences with musical instruments and singing to express creativity	Use familiar rhymes, songs, chants, and musical instruments to express creativity	low, fast or slow, loud or soft, and demonstrate them through movement, verbal description, or pictures.
					K.1.4: Sing short
React to familiar songs or music	Sing along to familiar songs Initiate singing a song repeatedly Sing songs that use the voice in a variety		voice in a variety of ways	memorized songs, maintaining a steady beat.	
	Make rhythmic patterns with objects	Produce rhythmic patterns to familiar songs	Respond to rhythmic patterns in music		K.4.1: Create and play simple, rhythmic patterns with teacher guidance using body percussion or classroom instruments.
Participate in diverse musical genres and styles		Describe feelings and reactions in response to diverse musical genres and styles		K.9.2: Experience music from various historical eras and cultures through singing, listening, or moving.	

Creative Arts Foundation 2: Dance

Early learners develop foundational skills that support creative expression through movement.

CA2.1: Demonst	CA2.1: Demonstrate creative movement expression							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard			
Respond to music with body movements	Use whole body to respond to music	Use dance for self- expression	Convey ideas and emotions through creative movement expression (with or without music)		K.1.1: Isolate various body parts through movement.			
				Purposefully select movements that communicate ideas, thoughts, and feelings	K.1.2: Explore the element of space through spatial components: shape, personal and shared space, locomotor and nonlocomotor/axial movement.			



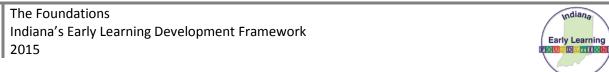
Creative Arts Foundation 3: Visual Arts

Early learners develop foundational skills that support creative expression through the process, production, and appreciation of visual art forms.

CA3.1: Demonst	CA3.1: Demonstrate creative expression through the visual art process						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Explore simple art materials	Use simple art materials Express preferences for certain art materials	Enjoy repetition of materials and experiences	Use colors, lines, and shapes to communicate meaning	Identify and use colors, lines, and shapes found in the environment and in works of art	K.7.1: Begin to recognize and use elements (such as line, shape, texture, and color) and principles (such as repetition) in artwork. K.7.2: Discriminate between types of lines (characteristics), shapes (geometric), textures (tactile), and colors (primary/secondary hues) in own work and the work of others.		

CA3.2: Demonst						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Respond to various textures and sensory	Explore a variety of media	Use a variety of media	,	reate drawings, models, a variety of materials	K.6.1: Use objects or animals from the real world as subject matter	
materials			Develop growing ability to plan, work independently, and demonstrate care in a variety of art	Develop growing ability to plan, work independently and cooperatively, and demonstrate care and persistence in a variety of art	world as subject matter for artwork. K.6.2: Create art that expresses personal ideas, interests, and feelings.	
	Also see English/Language Arts Foundation 3: Early Writing (ELA3.1)					

CA3.3: Demonstrate creative expression through art appreciation							
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Show preference for particular visual stimuli	Express likes or dislikes of certain colors or patterns Look at pictures, photographs, and illustrations	Communicate preferences while looking at pictures, photographs, and illustrations Compare and contrast own creations and those of others	Reflect on differences encounte	iscuss art forms and preferences when rs artwork ersonal creative work	K3.2: Construct possible meaning in works of art based on personal response and properties in the works. K.5.1: Demonstrate curiosity and personal insight through observing and discussing works of art.		



Creative Arts Foundation 4: Dramatic Play

Early learners develop foundational skills that support creative expression through dramatic play.

CA4.1: Demonst	CA4.1: Demonstrate creative expression through dramatic play					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Engage in onlooker play	Engage in solitary play	Engage in parallel play	Engage in associative	Engage in associative and cooperative play		
Begin to exhibit skills in solitary play Begin to imitate the actions and expressions of caregivers	Begin to exhibit skills in parallel play Use objects as symbols for other things Demonstrate simple character/animal sounds with motions	Begin to exhibit skills in associative play Spontaneously pretend to take on the characteristics of a person, character, or animal	Use a variety of props to demonstrate themes about life experiences, ideas, and feelings	Role-play imaginary events and characters	K.3.1: Identify and describe the character, plot, and setting in stories. K.1.1: Identify elements of theatre in everyday life, such as relationships (characters), clothes (costumes), locations (setting). K.8.2: Imitate or create people, creatures, or things based on observation.	
Begin to recognize that certain actions will draw responses		Express self through dramatic play	Participate freely in dramatic play experiences that become of increased duration and complexity			



Physical Health and Growth

Early childhood is the time for a child to begin the development of an active, healthy lifestyle. Children learn through active movement. The development of skills, knowledge, and attitudes that leads to such a lifestyle must be taught and should begin early in order to ensure a lifetime of good health. Young children need space, common materials, and opportunities for practice. Children practice movement of their large muscles (arms and legs) through pulling up, walking, balancing, running, jumping, climbing, throwing, and even dancing. Physical fitness is important to their health, now and later. Through large motor activities, children practice fundamental movement skills that help them develop positive self-esteem and physical competence.

Children move their small muscles when they grab or hold a rattle, stack blocks, string beads, pinch, pull, stuff, and scribble. These hands-on interactions with their environment allow children to make discoveries, e.g. how big is the ball, how tall is the tower, what does this new food taste or feel like, how deep can I dig in the sand? Young children are continually refining their senses and motor skills. It is through physical activity and movement of one's own body that the human brain internalizes the conceptual foundations of laterality (left and right), directionality (up, down, in, out) and position in space (over, under, behind). All of these concepts are critical to mathematical thinking related to patterns and relationships, as well as to the foundations of reading and writing. They are necessary to later development as the child learns to "see" how letters are formed and put together in patterns to create words and to translate this understanding into physical movements to recreate these symbols on paper in writing form, to express self through physical movements, and to maintain a healthy body through active movements.

As young children move their bodies, they learn many concepts through their senses (sensory motor integration). Children should be provided with many experiences that integrate their body movements with their senses, including: tactile/touch, smell, hearing, taste, sight, kinesthesia (movement), and the vestibular sense (found in the inner ear, this helps maintain balance and judge a person's position in space). Young children need experiences that stimulate the inner ear's vestibular area (e.g. as rocking, swinging, rolling, turning upside down, and spinning).

In 2015, the Early Learning Advisory Committee adopted the World Health Organization's definition of health: "Child health is a state of physical, mental, intellectual, social and emotional well-bring and not merely the absence of disease or infirmity. Healthy children live in families, environments, and communities that provide them with the opportunity to reach their fullest developmental potential."



Physical Health and Growth Foundations

Physical Health and Growth Foundation 1: Health and Well-Being

Early learners develop foundational skills that support healthy, safe, and nutritious practices.

Physical Health and Growth Foundation 2: Senses

Early learners use the five senses to develop foundational skills that support processing information and understanding one's own body in relation to space and objects in space.

Physical Health and Growth Foundation 3: Motor Skills

Early learners develop foundational skills that support the development of fine and gross motor coordination.

Physical Health and Growth Foundation 4: Personal Care

Early learners develop foundational skills that support the independent care of one's self.

Guide to Using the Foundations

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Physical Health and Growth Foundation 1: Health and Well-Being

Early learners develop foundational skills that support healthy, safe, and nutritious practices.

PHG1.1: Demons	PHG1.1: Demonstrate development of healthy practices						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Passively participate in health and hygiene-related behaviors initiated by an adult	Participate with adult support in health and hygiene-related behaviors	Practice health and hygiene- related behaviors with reminders	Demonstrate health and hygiene-related behaviors with reminders Identify the difference between sick and well	Demonstrate health and hygiene-related behaviors with minimal prompting Communicate practices that promote healthy living and prevent illness for self and family members	K.1.1: Name healthy behaviors. K.1.2: Identify that physical health is one dimension of health and wellness. K.1.3: Tell ways to prevent the spread of germs. K.2.1: Identify how		
	Imitate personal health practices	Imitate an experience of participating in a doctor or dentist visit	0 0	tic play to demonstrate ical professionals	family influences personal health practices.		

PHG1.2: Demon	PHG1.2: Demonstrate development of safety practices						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard		
Use key adults as	Demonstrate awa	areness of danger	Identify ways to play	Demonstrate basic	K.1.4: State behaviors to prevent or reduce		
a secure base when exploring the environment		Recall behaviors that prevent	safely	safety knowledge	childhood injuries.		
	Respond to adult	injuries Respond to adult	Follow simple safety	Participate with adult	K.5.1: Identify and demonstrate an understanding of rules		
from a trusted directi caregiver when change	direction to change behavior in order to avoid	guidance and direction regarding safety	Follow simple safety rules while participating in activities	Participate, with adult support, to develop safety rules for an activity	and safety practices for games and other physical activities.		
unfamiliar person or object	· I		K.5.2: Exhibit a willingness to follow basic directions for an active class.				
					K.7.2: Name behaviors that prevent injuries.		

Physical Health and Growth Foundation 1: Health and Well-Being

Early learners develop foundational skills that support healthy, safe, and nutritious practices.

PHG1.3: Demon	PHG1.3: Demonstrate development of nutrition awareness					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Ex	press when hungry or	full		ues when hungry, full or rsty		
Show food preferences	Try new foods	Make simple food choices depending on personal and cultural preference	Demonstrate basic understanding that eating a variety of foods helps the body grow and be healthy	Communicate about variety and amount of foods needed to be healthy		
Begin following a regular eating routine Demonstrate awareness of different textures of food	Follow a regular eating routine	Communicate about various characteristics of food	Distinguish between nutritious and less nutritious foods	Name food and beverages that help to build healthy bodies		
Help with self- feeding	Feed self with some assistance	Feed self with minimal assistance	Independently feeds self	Independently feeds self using utensils		

Physical Health and Growth Foundation 2: Senses

Early learners use the five senses to develop foundational skills that support processing information and understanding one's own body in relation to space and objects in space.

PHG2.1: Demonstrate how the five senses support processing information						
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard	
Manipulate objects to see what will happen	Try a new action with a familiar object	Test objects to determine their purpose	Take things apart and attempt to put them back together	Take things apart and invent new structures using the parts		

Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard
Show awareness	Identify basi	c body parts	Identify and describe	function of body parts	K.2.2: Demonstrate variations in moving with
of own body and start to move intentionally Interact with adults in physical activities	Use trial and error to discover how the body and objects move through space Use simple movement skills to participate in active physical play	Demonstrate awareness of own body in space and in relationship to objects Participate in active physical play and structured activities requiring spontaneous and instructed body movements	to other people and activ Participate in structured physical play exhibiting Demonstrate basic und	s of own body in relation objects through play vities I and unstructured active g strength and stamina erstanding that physical y grow and be healthy	spatial, directional, and temporal awareness.



Physical Health and Growth Foundation 3: Motor Skills

Early learners develop foundational skills that support the development of fine and gross motor coordination.

PHG3.1: Demonstrate development of fine and gross motor coordination					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard
Demonstrate hand-eye coordination and participate in a variety of activities to enhance coordination	Gain control of hands and fingers	Use hand-eye coordination to manipulate smaller objects with increasing control	Refine grasp to manipulate tools and objects	Perform fine-motor tasks that require small-muscle strength and control	K.1.3: Perform basic manipulative skills.
Begin to develop coordination and balance, often with support	Begin to develop coordination and balance, requiring less support	Develop coordination and balance	Demonstrate coordination and balance	Demonstrate coordination and balance in a variety of activities	
Develop control of head and back, progressing to arms and legs		Develop gross motor control for a range of physical activities	Coordinate movements to perform a task	Coordinate movements to perform a complex task	
	Also see English/La	nguage Arts Foundati	on 3: Early Writing (ELA3	1)	

PHG3.2: Demonstrate development of oral motor skills					
Infant Younger Toddler Older Toddler Younger Preschool Older Preschool Kindergarten Standard					
Demonstrate continual progression in oral muscle tone, strength, and range of motion,					
lea	ading to more complex				

Physical Health and Growth Foundation 4: Personal Care

Early learners develop foundational skills that support the independent care of one's self.

PHG4.1: Demonstrate increased independence in personal care routines					
Infant	Younger Toddler	Older Toddler	Younger Preschool	Older Preschool	Kindergarten Standard
	Show interest in assisting with personal body care practices	Participate with adult support in personal body care practices	Attend to personal body care practices with reminders	Attend to personal body care practices with minimal adult support	
Participate passively in dressing and undressing self	Show interest in assisting with dressing and undressing self Exhibit beginning awareness of toileting needs	Participate with adult support in dressing and undressing self Communicate toileting needs	, ,	ess and undress self	



Dual Language Learners

Who are Dual Language Learners?

Dual Language Learners (DLL) are children, birth to five years old, who are developing their home language(s) while also developing English. Indiana has a formal process to identify children once they enter Kindergarten, which includes the use of a Home Language Survey (HLS) and an English language proficiency assessment. In order to meet the learning needs of DLLs, early learning providers should learn about the language(s) the children speak by conducting interviews with the family and focus on providing rich language activities for children to build their skills in all languages.

How can I support Dual Language Learners' language development?

All children, birth to five years, are language learners; some children just happen to be learning more than one language. Children who are learning English as an additional language are the fastest growing population in the country, making it essential that early learning providers know how to meet their unique language needs as well. Much of the language used in preschool is new for all children, both native English speakers and DLLs alike. Many of the same supports that are effective for developing skills in the first language will transfer to children acquiring multiple languages, such as visuals, modeling, manipulatives, and peer-support. However, educators of DLLs must focus on providing varied and supported opportunities for children to process and produce language across all content and developmental areas to ensure learning is meaningful while the children are developing English. DLLs may follow an altered trajectory on the developmental continuum. "Specific consideration should be given to the nature of early language and cognitive development, family and community-based sociocultural contexts for language learning, and the psycholinguistic nature of second language development in preschoolers who are still developing the foundational structures and rules of language" (WIDA, 2014).

What resources are available to help teachers of Dual Language Learners?

Indiana has adopted the <u>WIDA Early English Language Development Standards</u> (E-ELD). These standards are to be used in conjunction with the Foundations. As a result, DLLs develop the social and academic language needed to access and be successful in early childhood environments. The WIDA E-ELD Standards require educators to focus on the language DLLs need to process and produce to meet the Foundations. As shown in the graphics below, educators must ensure children learn the *language of* each developmental are in order to learn the core concepts.





© WIDA



Using the WIDA Early English Language Development Standards

The WIDA E-ELD Standards represent the language of overarching developmental domains that Dual Language Learners need to use with peers, educators, and curricula within the preschool setting. The E-ELD Standards are designed to be used in conjunction with the Foundations to ensure Dual Language Learners are provided necessary language support to make learning meaningful while developing English. The chart below highlights the connection between selected Foundations and the E-ELD Standards.

A sample of Indiana Early Learning Foundations	WIDA Early English Language Development Standards (E-ELD)		
SE1: Sense of Self SE2: Self-Regulation SE3: Conflict Resolution SE4: Building Relationships	E-ELD Standard 1: the language of Social and Emotional Development	English language learners communicate information, ideas, and concepts necessary for success in the area of Social and Emotional Development	
ELA1: Communication Process ELA2: Early Reading ELA3: Early Writing	E-ELD Standard 2: the language of Early Language Development and Literacy	English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Early Language Development and Literacy	
M1: Numeracy M2: Computation and Algebraic Thinking M3: Data Analysis M4: Geometry M5: Measurement	E-ELD Standard 3: the language of Mathematics	English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Mathematics	
SC1: Physical Science SC2: Earth and Space Science SC3: Life Science SC4: Engineering SC5: Scientific Inquiry and Methods	E-ELD Standard 4: the language of Science	English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Science	
SS1: Self SS2: History and Events SS3: Geography SS4: Economics SS5: Citizenship	E-ELD Standard 5: the language of Social Studies	English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Social Studies	
PHG1: Health and Well-Being PHG2: Senses PHG3: Motor Skills PHG4: Personal Care	E-ELD Standard 6: the language of Physical Development	English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Physical Development	

Additional resources can be found by clicking on the "Download Library" at www.wida.us.

<u>E-ELD Standards Resource Guide, 2014 Edition</u> Webinars: <u>Introduction to E-ELD, Understanding Language Growth</u>

<u>PreK-KDG Can Do Descriptors</u>

<u>Playing with Language</u>



Supporting Exceptional Learners

Preschool children enter the classroom with diverse learning and developmental needs. Each child has unique characteristics that may help or hinder the ability to learn. It is the role of the program and classroom teacher to provide a learning environment where every child can be successful.

Early childhood classrooms should be inclusive ones where children with disabilities and developmental delays enjoy learning experiences alongside their typically developing peers. In 2015, the United States Department of Education along with the United States Department of Health and Human Services issued a draft policy statement on the inclusion of children with disabilities in early childhood programs.

"The Departments define *inclusion in early childhood programs* as including children with disabilities in early childhood programs, together with their peers, without disabilities, holding high expectations and intentionally promoting participation in all learning and social activities, facilitated by individualized accommodations and using evidence-based services and supports to foster their cognitive, communication, physical, behavioral, and social-emotional development; friendship with peers; and sense of belonging. This applies to all young children with disabilities from those with the mildest disabilities, to those with the most significant disabilities."

The Foundations were designed for all children. The content within this developmental framework provides the breadth of information from which to create goals and experiences that will help children reach their highest potential while capturing their interests and building on what they already know. Teachers must emphasize and celebrate all children's accomplishments and focus on what children can do.

To differentiate instruction is to recognize children's varying background knowledge, readiness, language, preferences in learning and interest, and to react responsively. Differentiated instruction is a process of teaching and learning for students of differing abilities in the same group. The intent of differentiating instruction is to maximize each child's growth and individual success by meeting the individual needs of each child in the learning process. Differentiation should be used to engage all learners. In order for early educators to differentiate instruction they must first understand the developmental goals a child needs to obtain. This understanding should be used to develop lesson plans and learning experiences that help the child meet the goals.

Teachers may need to adapt or modify classroom environments, interactions, and/or materials and equipment to help children with disabilities fully participate.



Universal Design for Learning

When using the Foundations in developing curriculum, Universal Design for Learning (UDL) can be utilized to give all individuals equal opportunities to learn. UDL provides a blueprint for creating instructional goals, methods, materials, and assessments that work for everyone. It is not a single, one-size-fits-all solution, but rather flexible approaches that can be customized and adjusted for individual needs.

UDL is a theoretical framework developed by the Center for Applied Special Technology (CAST) to guide the development of curricula that are flexible and supportive of all students. The concept of UDL was inspired by the universal design movement in building architecture. This movement calls for the design of structures that anticipate the needs of individuals with disabilities and how to accommodate these needs from the outset. Although universally designed structures are more usable by individuals with disabilities, they offer unforeseen benefits for all users. Curb cuts, for example, serve their intended use of facilitating the travel of those in wheelchairs, but they are also beneficial to people using strollers, young children, and even the average walker. The process of designing for individuals with disabilities has led to improved usability for everyone.

UDL calls for the design of curricula with the needs of all children in mind, so that methods, materials, and assessments are usable by all. Traditional curricula present a host of barriers that limit children's access to information and learning. A UDL curriculum is designed to be innately flexible, enriched with multiple media so that alternatives can be accessed whenever appropriate. A UDL curriculum takes on the burden of adaptation rather than leaving it up to the child to adapt. It minimizes barriers and maximizes access to both information and learning.

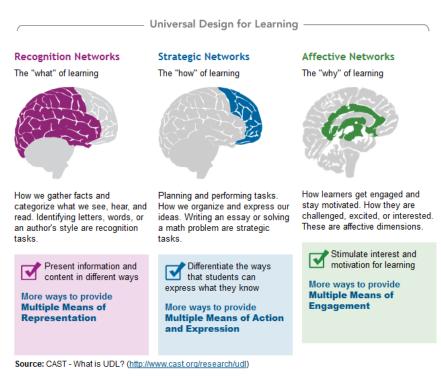


Figure 1



The UDL framework guides the development of adaptable curricula by means of three principles (Figure 1 and 2). The three UDL principles call for flexibility in relation to three essential facets of learning, each one orchestrated by a distinct set of networks in the brain. UDL recognizes four essential teaching methods for each facet of learning (Figure 1 and 2).

Universal Design for Learning

Principle 1: to support recognition learning, provide multiple, flexible methods of presentation

To support diverse recognition networks:

- Provide multiple examples
- Highlight critical features
- Provide multiple media and formats
- Support background context

Principle 2: to support strategic learning, provide multiple, flexible methods of expression and apprenticeship

To support diverse strategic networks:

- Provide flexible models of skilled performance
- Provide opportunities to practice with supports
- Provide ongoing, relevant feedback
- Offer flexible opportunities for demonstrating skill

Principle 3: to support affective learning, provide multiple, flexible options for engagement

To support diverse affective networks:

- Offer choices of content and tools
- Offer adjustable levels of challenge
- Offer choices of rewards
- Offer choices of learning context

Figure 2

Sources: http://www.udlcenter.org

Hall, T., Strangman, N., & Meyer, A. (2011). Differentiated Instruction and Implications for UDL Implementations.



Glossary of Terms

Age Range (for Foundations): Groupings based on developmental progression. The following age ranges were developed for organizational purposes: Infant, Younger Toddler, Older Toddler, Younger Preschool, and Older Preschool.

Alphabet Awareness: Letters represent sounds.

Alphabetic Principle: Words are composed of letters that represent sounds.

Assessment: The process of observation and recording initiated by teachers or an external evaluator to provide information about the children's development (social, emotional, cognitive, fine and gross motor abilities, speech and language), and to identify children's specific strengths and needs. In early childhood, assessment serves different purposes: to plan instruction; to communicate with parents; to identify children who may be in need of specialized services or intervention; and to evaluate how well the instruction and curriculum are meeting goals.

Associative Play: Two or more children interact, possibly sharing and talking, but each engaged in a separate play activity.

Blend: Group of two or more letters that when said together make a distinct sound (examples: bl, sh, ch, wh).

Cardinality: Rule of understanding the last number you count describes the number of objects counted and to count out a specific quantity from a larger set.

Children with Disabilities: Children who require special education and related services for conditions that may include: intellectual disability; hearing impairments; speech or language impairments; visual impairments; serious emotional disturbances; orthopedic impairments; autism; traumatic brain injury; or specific learning disabilities.

Cognitive Development: Domain refers to the process of growth and change in children's intellectual/mental abilities such as thinking, learning, reasoning, and understanding.

Comprehension: To perceive and understand meaning.

Concepts of Print: To know and recognize the ways in which print works.

Cooperative Play: Playing in collaboration with another or a group with a common goal or problem to solve, sharing ideas, materials, and roles.

Core Knowledge and Competencies (CKCs): Refers to the expectations for what the early childhood education workforce should know (content) and be able to do (skills) in their role with/or on behalf of children and their families.

Counting: Verbal expression and applied to number sense.

Curriculum: A written plan that includes goals for children's development and learning, the experiences through which they will achieve the goals, what staff and parents should do to help children achieve the goals, and the materials needed to support the implementation of the curriculum.

Developmental Stages: Natural or common divisions of the process of human growth characterized by types of behavior, biological properties or manifestations, and mental processes.



Developmentally Appropriate: Any behavior or experience that is matched to the maturity of the individual child with respect to age, needs, interests, developmental levels, and cultural background.

Domain: A category of learning and development in which goals and strategies are grouped. There are five domains of early childhood development: motor, language, cognitive, social emotional, and self-help/adaptive. Each of these domains are also interrelated.

Dual Language Learner (DLL): Children between the ages of 2.5-5.5 years who are in the process of developing two or more languages prior to entering Kindergarten.

Early Childhood: Birth to eight (8) years of age.

Early Childhood Development: The process by which children, from birth to age eight, gradually gain the skills and confidence needed to succeed in their present environment and the cognitive skills needed to form a foundation for school readiness and later school success.

Early Childhood Education (ECE): Activities and experiences that are intended to effect developmental changes in children from birth through the primary units of elementary school (grades K-3).

Early Intervention: Efforts to support children at risk for, or in the early stages of, an identified disability and/or developmental delay; usually targeted at early childhood, sometimes including prenatal care.

Early Language Standards: Language expectations for Dual Language Learners, ages 2.5-5.5 years, represented within progressive levels of language development.

Evidence-Based Practice: An informed decision-making process that integrates the best available research evidence and professional expertise. (For example, the decision to use a certain method of teaching because evidence has repeatedly shown that the method has demonstrated positive results.)

Experiential Learning: Acquisition of knowledge and skills through work, play and other life experiences outside of the traditional classroom environment; learning by doing.

Expressive Language: The output of language; how one expresses his/her wants and needs.

Family: A basic social unit typically consisting of one or more adults together with the children under their care. The definition of "family" varies across cultures and according to social norms.

Fiction: A category of literature, drama, film, or other creative work whose content is imagined and is not necessarily based on fact.

Fine Motor: The manipulative movement of fingers, such as writing, coloring, and cutting with scissors.

Fluency: Demonstrates language skills comparable to a native English speaker.

Foundation: Essential concepts and skills that early learners should know or demonstrate in a particular developmental area in order to achieve Kindergarten readiness. Core foundations have been developed in English/language arts, mathematics, social emotional skills, approaches to play and learning, science, social studies, creative arts, and physical health and growth.

Gesture: Movement or motion that is employed to communicate meaning; can include head nodding, moving hands, and walking toward a door.

Gross Motor: Large movement of limbs, such as crawling, climbing, and walking.



Home Language: The language that is most commonly spoken by the members of a family for everyday interactions at home.

High-Frequency Letters: Most often used letters of the alphabet.

High-Quality Preschool Program: An early learning program that includes structural elements that are evidence-based and nationally recognized as important for ensuring program quality. In Indiana, High-Quality Preschool is defined as a program that is Level 3 or Level 4 in Paths to QUALITY™ or nationally accredited by a state approved accrediting body.

Indicators: Competencies, concepts, skills, and/or actions that show a child is progressing toward Kindergarten readiness.

Individualized Education Program (IEP): An annually revised plan for an exceptional student, detailing present achievement levels, goals, and strategies. It is drawn up by teachers, parents, specialists, and when appropriate, the student. It serves as a plan for students receiving services under Part B or Part C of the Individuals with Disabilities Education Act.

Individualized Family Service Plan (IFSP): A written plan for providing first steps early intervention to an eligible child and family from the child's birth up to three (3) years of age, under Part C of the Individuals with Disabilities Education Act.

Informal Assessment: A non-standardized measurement by which an adult gauges what a child is able to do in various content areas. Informal assessment helps the adult tailor instruction and curriculum to meet each child's needs and interests.

Kindergarten: A program or class for four to six year old children that serves as an introduction to school.

Kindergarten Entry Assessment: An assessment that is administered to children during the first few months of Kindergarten.

Kindergarten Readiness: This definition was developed and approved by the Early Learning Advisory Committee (ELAC) for the state of Indiana in the summer of 2014:

"In Indiana, we work together so that every child can develop to his or her fullest potential socially, emotionally, physically, cognitively and academically. Through growth in all of these domains, the child will become a healthy, capable, competent, and powerful learner."

Kindergarten Standard: Standard for Kindergarten aged students as adopted by the State Board of Education.

Language: This includes verbal, non-verbal, body language, and gestures.

Language Development: The developmental domain that illustrates a child's level of competence in processing (receptive) and producing (expressive) language.

Language Supports: Sensory, graphic, and interactive resources embedded in routines, learning activities, and assessment that assist children in constructing meaning from language and content.

Lesson Plan: A detailed plan of the lessons, activities, and/or objectives the classroom teacher intends to deliver.

Motor Development: Physical developmental domain that involves gross and fine motor learning.

Non-Fiction: A category of literature, drama, film, or other creative work whose content is based upon factual information and reality.



Onlooker Play: Child is interested in the activities of those nearby but does not join them in play.

Parallel Play: Playing side by side, sometime mirroring each other, sometimes, doing very different activities with the same materials.

Paths to QUALITY™: A free, voluntary Tiered Quality Rating and Improvement System (TQRIS) designed to raise the standard of quality in early childhood education in Indiana. Paths to QUALITY™ includes four levels of standards, with each level having progressively higher levels of standards.

Phonemic Awareness: The ability to identify, hear, and work with the smallest units of sound called phonemes.

Phonological Awareness: The awareness that language is composed of sounds and the understanding of the relationship of those sounds.

Pre-Kindergarten (Pre-K): Early childhood education for children four (4) years of age, or for the year immediately prior to their enrollment in Kindergarten.

Preschool: Early childhood education for children three (3) to four (4) years of age.

Receptive Language: Understanding the *input* of language, words, and gestures; the processing of language through listening and reading.

Rhymes: Correspondence or repetition of sound, especially at the end of words or lines.

Segment: One of the parts into which something naturally separates or is divided.

Self-Help/ Adaptive Development: This domain refers to the skills used for daily living, such as dressing, eating, toileting, and washing.

Social/Emotional Development: A young child's growing capacity to experience, express, and regulate emotions, engage in positive relationships with others, and as a result, learn and develop in the context of family, culture, and community.

Social Referencing: The tendency of a person to analyze the facial expressions of a significant other in order to be able to determine what to do. Social referencing often refers to children assessing the reactions of family members to obtain clarifying information about a particular situation.

Solitary Play: Playing alone with materials and ideas.

Standardized Assessment: Measures that can be quantified with proven validity and reliability from which scores are interpreted against a set of norms, such as state, national, or international norms.

Subitize: Identify quickly, without counting, small quantities of items.

Syllable: An uninterrupted segment of speech.

Topic: A subcategory of a foundation.

WIDA: An organization that advances academic language development and academic achievement for linguistically diverse students through high quality standards, assessments, research, and professional development for educators. More information can be found at www.wida.us.

Many terms/definitions were taken from the Glossary of Early Learning in Indiana which was developed by the Indiana Early Learning Advisory Committee (ELAC). The full glossary can be found at: http://doe.in.gov/earlylearning.



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APPENDIX A

ISTAR-KR is an early childhood assessment tool provided by the Indiana Department of Education to public and private preschool and childcare programs. The tool measures development in English/language arts, mathematics, social emotional, physical development, and personal care. The measurements can be examined in terms of the three US Department of Education Office of Special Education Programs (OSEP) outcomes or in terms of the areas of preacademics, and can be used in the planning of effective instruction.

This table was designed to support the understanding of the relationship between the Foundations and the ISTAR-KR assessment tool. The table indicates the Foundation and topic area that address each ISTAR-KR measurement. For additional information regarding ISTAR-KR, please visit:

http://www.doe.in.gov/assessment/istar-kr_or http://doe.in.gov/earlylearning.

ISTAR-KR Measurement	2015 Foundations Alignment	2015 1	2015 Topic Alignment		
ELA					
Demonstrates awareness of sounds	ELA2: Early Reading	ELA2.2	ELA2.3		
Demonstrates awareness of symbols	ELA2: Early Reading	ELA2.1	ELA2.2		
Uses print for pleasure and information	ELA2: Early Reading	ELA2.4			
Comprehends details, events, and main	ELA2: Early Reading	ELA2.5			
ideas					
Writing for a specific purpose and	ELA3: Early Writing	ELA3.2			
audience	, ,				
Using writing implements	ELA3: Early Writing, PHG3: Motor Skills	ELA3.1	PHG3.1		
Demonstrates receptive language	ELA1: Communication Process	ELA1.1	ELA1.3		
Demonstrates expressive language	ELA1: Communication Process	ELA1.2	ELA1.3		
Mathematics					
Counting and Quantity	M1: Numeracy	M1.1	M1.2	M1.3	
Computation	M1: Numeracy, M2: Computation and Algebraic Thinking	M1.3	M2.1		
Time	M1: Numeracy, M2: Computation and Algebraic Thinking,	M1.3	M2.2	M5.1	
	M5: Measurement				
Location	M4: Geometry, PHG2: Senses, SS3: Geography	M4.1	PHG2.2	SS3.1	
Length, Capacity, Weight, Temperature	M4: Geometry, M5: Measurement	M4.1	M5.2		
Sorting and Classifying Objects	M2: Computation and Algebraic Thinking, M3: Data	M2.2	M3.1	M4.2	
	Analysis, M4: Geometry				
Social Emotional					
Sense of self and others	SE1: Sense of Self	SE1.1	SE1.2		
Manages emotions	SE2: Self-Regulation, SE3: Conflict Resolution	SE2.1	SE3.1		
Interpersonal skills	SE4: Building Relationships, APL4: Social Interactions	SE4.1	APL4.1		
Responsibility	APL3: Attentiveness and Persistence, PHG1: Health and	APL3.1	PHG1.2		
	Well-Being				
Problem Solving	APL2: Flexible Thinking	APL2.1			
Approaches to learning	APL2: Flexible Thinking, APL3: Attentiveness and	APL2.1	APL3.1		
	Persistence				
Physical					
Sensory Integration	PHG2: Senses	PHG2.1			
Physical stability	PHG3: Motor Skills	PHG3.1			
Gross motor skills	PHG3: Motor Skills	PHG3.1			
Object control	PHG3: Motor Skills	PHG3.1			
Precision hand skills	PHG3: Motor Skills	PHG3.1			
Personal Care					
Oral motor	PHG3: Motor Skills	PHG3.2			
Self-feeding	PHG1: Health and Well-Being, PHG4: Personal Care	PHG1.3	PHG4.1		
Dressing/Undressing	PHG3: Motor Skills, PHG4: Personal Care	PHG3.1	PHG4.1		
Care of hand, face, and nose	PHG1: Health and Well-Being, PHG4: Personal Care	PHG1.1	PHG4.1		
Toileting	PHG4: Personal Care	PHG4.1			





Appendix B

Indiana Early Learning Foundations Classroom Planning Matrix

Indiana's early learning development framework was created to guide early childhood educators in understanding developmental progression for young children. Practitioners must implement practices that facilitate learning of essential concepts and skills young children require to be prepared for Kindergarten.

Intentionality in planning leads to positive child outcomes. The planning matrix helps the classroom teacher consider the core area of learning (the foundation) being addressed and to structure purposeful activities and language development while monitoring student outcomes (the indicators). Utilizing a program's curriculum along with developmentally appropriate practices, classroom activities can be aligned with the Indiana Early Learning Foundations.

Completing the Matrix:

* A completed example can be found on the next page.

Foundation(s): List the foundation(s) the lesson plan will cover. Indiana has identified 34 core foundations for early learners.

Topic(s): List the topics (as stated in the related foundations) the lesson plan will cover.

Indicators: List the learning outcomes expected after the plan has been executed. The foundations contain a list of indicators for each topic, or the teacher may choose evidenced-based indicators that address the topic.

Activities: Describe how learning will be facilitated. Activities should align with the program's curriculum and vision.

Resources and Materials: Identify what additional resources or materials will be needed in order to fulfill the lesson plan.

Topic-Related Language / Key vocabulary: Developmentally appropriate words and expressions that are associated with the topics.

Language Supports: Sensory, graphic, and interactive resources embedded in routines, learning activities, and assessment that assist children in constructing meaning from language and content.

Sensory Supports: Real-life objects, manipulatives, pictures, gestures, and demonstrations

Graphic Supports: Charts, graphs, visual schedule, icons/symbols

Interactive Supports: With partners, small groups, large groups, using home language, adult modeling



Appendix B - EXAMPLE

Indiana Early Learning Foundations Classroom Planning Matrix

Multi-Age Classroom

Foundation(s):ELA 2: Early Reading

Early learners develop foundational skills in understanding alphabet awareness, phonological awareness, concepts of print, and comprehension.

ELA 3: Early Writing

Early learners develop foundational skills in mechanics of writing and ability to tell a story and write for a variety of purposes.

M3: Data Analysis

Early learners develop foundational skills in learning to understand concepts of classification, data collection, organization, and description.

	Topic(s)				
	ELA2.1 Demonstrates an awareness of the alphabet				
	ELA3.1 Demonstrates mechanics of writing				
	M3.1: Demonstrates understanding of classifying				
	Age Range: Older Toddler	Age Range: Younger Preschool			
s	ELA2: Can recognize the first letter of his/her name	ELA2: Can recognize the first letter in his/her name and at least one additional letter in his/her name			
ndicators	ELA3: Attempts to form the first letter of his/her name	ELA3: Writes the first letter of his/her name			
Indi	M3: Identify similarities and differences	M3: Sort objects into like categories (matching letters)			

Activities

Building block name towers: use tape to make letters on wooden blocks in block center, have pictures in center of each child's name tower

Font collage: sort letters from font basket to find 1st letter of name and glue letters onto large letter shape

Writing Center Prompt: Add name cards and wax pencils for name writing practice

Letter matching: create large letters with painters tape around the room, children locate letters and match a letter card to tape letter

Read: ABC Book, Dr. Suess, - help children identify first letters of their name throughout the reading

Resources and Materials

Gather: tape, letters from magazines or printed fonts, wax pencils, ABC Book

Create: picture of each child's name, laminated name cards, large tape letters

Topic Related Language / Key Vocabulary	Language Supports
Letters, Name, Sort, Same/Different	Sensory support: pictures, models of letters
	Graphic support: visual of classified groups
	Interactive support: adult prompting/modeling, working with partner to complete letter matching activity





Appendix B

Indiana Early Learning Foundations Classroom Planning Matrix Multi-Age Classroom

Foundation(s):

	Topic(s)		
	Age Range:	Age Range:	
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Indicators			
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Activi	ties		
Resou	rces and Materials		
Topic	Related Language / Key Vocabulary	Language Supports	



Appendix B

Indiana Early Learning Foundations Classroom Planning Matrix

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	Topic(s)	
	Age Range:	
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Activi	ties	
ACCIVI	ties	
Resou	rces and Materials	
Topic	Related Language / Key Vocabulary	Language Supports

